

What is claimed is:

1. A digital camera module for use in a portable electronic device, comprising:
a lens holder, including a base and a tube element for receiving a lens; and
a printed circuit board;

wherein the tube element extends from a top of the base, the base comprises a bottom portion engaging with the printed circuit board, the bottom portion comprises a first sidewall and a third sidewall opposite to the first sidewall, and at least one of the first and the third sidewalls has a holder means for holding the printed circuit board.

2. The digital camera module as set forth in claim 1, wherein the bottom portion further comprises a second sidewall interconnecting the first and the third sidewalls.

3. The digital camera module as set forth in claim 1, wherein the tube element is cylindrical.

4. The digital camera module as set forth in claim 2, wherein a support means for supporting the printed circuit board extends from an inside of the second sidewall.

5. The digital camera module as set forth in claim 4, wherein the support means is between the first and third sidewalls.

6. The digital camera module as set forth in claim 4, wherein the support means has a flat surface.

7. The digital camera module as set forth in claim 4, wherein the support means has a projection received in the printed circuit board.

8. A mobile phone, comprising:

an information transceiver module; and
a camera module;

wherein the camera module comprises a base, a cylinder extending from the base for receiving a lens, and a printed circuit board, the base comprises a bottom portion engaging with the printed circuit board, the bottom portion comprises a

first sidewall and a third sidewall opposite to the first sidewall, and each of the first and the third sidewalls has a holder means for holding the printed circuit board.

9. The mobile phone as set forth in claim 8, wherein the bottom portion further comprises a second sidewall interconnecting the first and third sidewalls.

10. The mobile phone as set forth in claim 9, wherein a support means for supporting the printed circuit board extends from an inside of the second sidewall.

11. The mobile phone as set forth in claim 10, wherein the support means is between the first and the third sidewalls, and has a flat bottom.

12. The mobile phone as set forth in claim 9, wherein the support means has a projection received in the printed circuit board.

13. A digital camera module for use within an electronic device, comprising:
a lens holder defining a chamber-like base with a tube element extending from a top portion thereof;
a lens essentially located in said tube element;
a printed circuit board essentially located around a bottom portion of the base opposite to said tubular element;
means for detachably retaining said printed circuit board in the base horizontally;
and
means for detachably retaining said printed circuit board in the base vertically.